



STATE OF UTAH



DEPARTMENT OF NATURAL RESOURCES

Division of Water Rights
1636 West North Temple
Salt Lake City, UT 84116

DEPARTMENT OF ENVIRONMENTAL QUALITY

Division of Drinking Water
150 North 1950 West
Salt Lake City, UT 84114

April 27, 1994

Dear Water User:

The City of South Salt Lake is investigating the possibility of using one of their wells, located near the former Vitro Processing Site, as an additional drinking water source. However, according to the Interim Ground-Water Management Plan, this well is located in a management area where pumping is restricted. For this reason, we are apprising you of the discussions taking place between the Divisions of Water Rights and Drinking Water, and the City of South Salt Lake. The well is located North 1830 feet and West 1910 feet of the South 1/4 corner of section 25, T1S, R1W. It is 10 inches in diameter and 812 feet deep.

South Salt Lake City contends that remediation of the Vitro Tailings site has been sufficient, and that limited pumping of this well will not adversely affect the water quality of the principal aquifer. Their contentions are based on a Department of Energy Report published in January of 1993, which describes the results of a hydrologic characterization study of the area.

The Divisions of Water Rights and Drinking Water believe there may be some justification in allowing this well to be pumped on a limited basis; however, protection of the principal aquifer is of utmost priority. Therefore, before any approval to divert water is given, several conditions need to be met.

- 1) The integrity of the well construction must be analyzed using geophysical methods.
- 2) A ground-water monitoring plan must be developed to monitor water level declines in the area.
- 3) Procedures for monitoring and reporting withdrawals from the well must be developed so that any relation between water level declines and well withdrawals can be analyzed.
- 4) Procedures for collecting quarterly chemical analysis from the well must be developed.

After these conditions have been met and approved by both Divisions, the well may be pumped for a period of six months with the diversion rate not to exceed 1.0 cubic foot per second, and the drawdown in the well not to exceed 60 feet below ground surface. This includes drawdown effects from nearby pumping wells. After this 6 month pumping period, the data will be carefully analyzed. We feel it is important that you are aware of South Salt Lake City's intentions and our approach to this issue. We welcome any comments and recommendations. If you have any questions, please feel free to contact the Technical Services Section of the Division of Water Rights (538-7455).

Sincerely,

Robert L. Morgan, P. E.
State Engineer

Sincerely,

Kevin W. Brown
Division of Drinking Water

pc: South Salt Lake City
Division of Water Quality
Salt Lake County



STATE OF UTAH



DEPARTMENT OF NATURAL RESOURCES
Division of Water Rights

DEPARTMENT OF ENVIRONMENTAL QUALITY
Division of Drinking Water

April 18, 1994

Dear Water User:

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Robert L. Morgan, P. E.
State Engineer

Kevin W. Brown
Division of Drinking Water

pc: South Salt Lake City
Division of Water Quality
Salt Lake County

Norma,

Please put in corrections, put on letterhead (dated for Next Tuesday), Run by Glenda, get Bob's signature, Send to Kevin Brown for his signature. In house copies to: ① JDO ② MML ③ Jim Riley ④ Boyd + Bill Schl. ⑤ Appropriations ⑥ Front desk (file room)

Thanks,
Muhel

⑤ Appropriations